Science Study Guide

Scientific Method

Quest: Wednesday September 24

Steps of the Scientific Method

* Step 1: Purpose / Problem - ask a question
* Step 2: Research – gather information about your problem
* Step 3: Hypothesis – your educated guess or testable explanation
* Step 4: Experiment – where you test your hypothesis
* Step 5: Observations/Analysis – collect data, take notes
* Step 6: Conclusion – see if your hypothesis is correct

Observations

* Quantitative – measurement and math based
* Qualitative – qualities or characters, use senses

Inferences

* Making observations and using what we know to reach a conclusion

Control

* Something that stays the same through the experiment

Variable

* Something that changes in the experiment

\*also review homework on control and variable and observations and inferences to help you\*